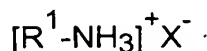


## Patent claims:

1. The use of a mixture of  
A) at least one compound of the formula

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where  $R^1$  is a C<sub>8</sub>-C<sub>22</sub> alkyl radical and  $X^-$  is an anion, and

- B) a branched fatty acid having a chain length of 8 to 22 carbon atoms  
as collector in sylvinite flotation.

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2. The use as claimed in claim 1, wherein  $R^1$  has a chain length of 12 to 20 carbon atoms.

3. The use as claimed in claim 1 and/or 2, wherein X is a chloride, formate or acetate anion.

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4. The use as claimed in one or more of claims 1 to 3, wherein constituent A is stearylamine acetate.

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5. The use as claimed in one or more of claims 1 to 4, wherein constituent B is a branched carboxylic acid having 14 to 22 carbon atoms.

6. The use as claimed in one or more of claims 1 to 5, wherein constituent B is isostearic acid.

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7. The use as claimed in one or more of claims 1 to 6, wherein the mixing ratio of A:B is 90:10 to 10:90.

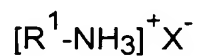
8. The use as claimed in one or more of claims 1 to 7, wherein, in addition, glycols, residues from oxoalcohol synthesis and/or water is present.

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9. The use as claimed in one or more of claims 1 to 8 in amounts of 10 to 500 g/t.

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10. A composition effective as flotation reagent comprising  
A) at least one compound of the formula



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- where  $R^1$  is a  $C_8$ - $C_{22}$  alkyl radical and  $X^-$  is an anion, and  
B) a branched fatty acid having a chain length of 8 to 22 carbon atoms,